

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/FI2005/050081

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F02D41/00 F02D35/02 F02D41/34 F02D41/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02D F02P G01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 000 384 A (BROWN ET AL) 14 December 1999 (1999-12-14) figures 3,4,6 column 7, line 42 - column 9, line 4	1-20
A	US 4 936 277 A (DEUTSCH ET AL) 26 June 1990 (1990-06-26) abstract; figure 6 column 9, line 4 - column 12, line 9	1-20

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when this document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

21 July 2005

Date of mailing of the international search report

29/07/2005

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Information on patent family members

International Application No.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6000384	A	14-12-1999	AT 266147 T	15-05-2004
			DE 69916942 D1	09-06-2004
			DE 69916942 T2	21-04-2005
			EP 0980469 A1	23-02-2000
			WO 9945254 A1	10-09-1999
			US 6158418 A	12-12-2000
US 4936277	A	26-06-1990	AU 4753290 A	10-07-1990
			DE 68927935 D1	07-05-1997
			DE 68927935 T2	25-09-1997
			EP 0448603 A1	02-10-1991
			EP 0651148 A2	03-05-1995
			JP 4503387 T	18-06-1992
			WO 9007051 A1	28-06-1990